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QC9- Inspect visual per QSI004- Fusion Welds

Memo

110

QC

110

Quality Control

												DQA:	Date	e: _	
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Nork Ord	er:						DISPOSITION								
Part	No.					•	Rework Scrap Use-as-is		Skid-tube Crosstub Machining Small Fa Thermoforming Finishin			Water Jet Prod. Eng. Coor. Rec/Store/Packaging			Engineering Quality Other
NCR	No.					,	Work Order Update]	Large Fab Compo]	Supplier		
Root					Des	cri	otion of work order update		nitial	Act	ion	Sign &			
Cause		Date	Step	Qty		C	or Non-conformance	Cr	ief Eng	Descr	ription	Date ,	Verification	.	QC Inspector
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		Bending					Bend		Grain			Ovalized			Pressure/Forced
		Centre No	t Concer	ntric to (D/S		BOM/Route		Hardwa	re		Over/Under	tolerance	<u> </u>	Temperature/Cure
	L	Cracks					Broken/Damaged		Inspect	on Incomplete		Part Incorred	ct [\Box	Weld
	Crushed/Crimped. Burrs								Instruct	ions Incomplete/L	Jnclear	Part Lost/Mi	ssing	\Box	Wrong Stock Pulled
		Cuffs					Contamination		Mainte	nance		Part Moved	_		
		Heat Trea	t				Countersink		Mislabe	led		Positioned V	Vrong		
		Inspection	Strip in	Tube			Cut Too Short		Misread	I		Power Loss/	Surge	\neg	Other
	Ripples in Bend Drill Holes							Offset							
Torque Waves in Extrusion Drawing									Out of (Calibration					
		Turning Se	eauence				Finish	Out of Sequence							

Outside Dimensions

Wave/Twist in Tube

Folio

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Page 2

Insp.

2- Install placard and label as per dwg

Wing Walk as per dwg QSI005 4.4 Batch 1/1 122 56 0.00

***Mask label plate to size of label, use scotchbrite red pad to lightly sand area

1- Mask data plate and apply wing walk on outside surface of mesh as per dwg

0.00

for label, apply label ***

140

140

Hand Finishing

HandFinish

									DQA:	Date:						
NCR: Ye	s / No				WORK ORDER NON-C	ONFORM	QA Closed:	Date:								
Work Order:					DISPOSITION		AGAINST DEPARTMENT/PROCESS									
Part No					Rework Scrap Use-as-is Work Order Update	Thern	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other					
Root				Descri	ption of work order update	Initial	Ac	tion	Sign &							
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector					
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Equip/Tooling																
Operator																
Material]														
Setup																
Other																
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Supplier		Ì	1													

FAULT CATEGORY Landing Gear General Bending Bend Grain Pressure/Forced Ovalized Centre Not Concentric to O/S BOM/Route Over/Under tolerance Temperature/Cure Hardware Cracks Broken/Damaged Inspection Incomplete Weld Part Incorrect Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Maintenance Contamination Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Inspection Strip in Tube Other Cut Too Short Misread Power Loss/Surge Drill Holes Offset Ripples in Bend Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Folio Wave/Twist in Tube Outside Dimensions

Training Unapproved

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Work Ord November-27-1				*9		,		Page 3				
Item ID: Revision ID:	D3914-041			Accept	*	1 900	040	100)* Se	etup Star	ı V.	S1*
Item Name:	Long Basket	Lid Assembly (350)								Stop	' *N:	S2*
Start Date:	11/27/12	Start Qty: 1.00	*1*			Cust Item II	D:					
Required Date	: 12/14/12	Req'd Qty: 1.00	*1*			Customer:						
Reference:									R	un Star	t *NI	D1*
Approvals:	Process Pl	lan:	Date:	_ Tooling:		Date:				Sto	. I V II	K I
	QC:		Date:	_ SPC (Y/N)):	Date:				2001	*N	R2*
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Ho	ours C	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150		QC3- Inspect Part Finis	h	0.00	5				ĵ			
150		Memo		0.00 12	3-1-17							
Quality Control		Memo		73	S* / / /							
160		Identify as per dwg & S	tock Location: w/O	0.00	D42=	12-01	12/	13 9-	4183	lx	of H	(12/01/
160 Packaging Packaging		Memo		0.00		, , ,						
170		QC21- Final Inspection	- Work Order Release	0.00						10	1.] _	1 d).
170										13	////·	1 /
QC Quality Control		Memo		0.00								1
Quality Control												1/1
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NCR:	Yes	/	No

												DQA:	Date:				
NCR:	Yes	/ No				W	ORK ORDER NON-C	O	NFORM	/ANCE / UP	PDATE	·					
											·	QA Closed:	Date:				
Nork Ord	er:						DISPOSITION										
Part I						Rework Scrap			ľ	Skid-tube Machining	Crosstube Small Fab	_	Water Jet d. Eng. Coor.	Engineering Quality Quality			
NCR I	No.			·		Use-as-is Work Order Update				noforming Large Fab	Finishing Composite	Rec/Stor	Other				
Root					Descr	ption of work order update			nitial Action		tion	Sign &					
Cause		Date	Step	Qty		or No	n-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector			
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		Centre No	t Concer	ntric to (o/s	BOM	1/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure			
		Cracks				Brok	ken/Damaged		Inspecti	on Incomplete		Part Incorred	t	Weld			
		Crushed/C	Crimped.			Burrs	S		Instruct	ions Incomplete	/Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled			
		Cuffs				Cont	amination		Mainte	nance		Part Moved					
		Heat Treat	t			Cour	ntersink		Mislabe	led		Positioned V	/rong	_			
	Inspection Strip in Tube Cut Too Short								Misread			Power Loss/	Surge	Other			
Ripples in Bend Drill Holes							Holes		Offset		_						
		Torque W	aves in E	xtrusio	n 「	Drav	wing		Out of Calibration								
		Turning Se	equence			Finis	h	Out of Sequence									
_		Wave/Twi	ist in Tub	e		Folic)		Outside Dimensions								

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	Picklist Print November-27-12 10													Page 1
	Work Order ID:	93743												7
	Parent Item:	D3914-041							.Sta	rt Date: 11/27/	12	Required I	Date: 12/1	4/12
	Parent Item Name:	Long Basket Lid As	ssembly (350)						St	eart Qty: 1.00		Required	Qty: 1.00	
	Comments:	IPP Rev:A new is 10.08.18 verified b		verified	by:EC	IPP Re	ev:B as per dv	vg revB DI)					
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
./	D2581 Mounting Bracket		Manufactured	No			100	Each	74.0000	2 B 92	287 ²	ナシャー	SY	13-01.0 1 2
					Location		Loc Qty	L	oc Code					
					WA		71			-				
					82.	506	2			-				
	•					230	3							
						452	2			-		,		
					863		39							
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						253	1						14	
j	D3914-1 Rib		Manufactured	No			100	Each	9.0000	38	864	<u> </u>	13·0	01.07
					Location		Loc Qty	<u>L</u>	oc Code					
					WA		7							
					87	079	I							
						642	4							
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NCR: Yes	5 / N o			_	WORK ORDER NON-C	CONFORM	MANCE / UF		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No.					Rework Scrap Use-as-is	1 1	Skid-tube Machining noforming	Crosstube Small Fab Finishing		Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR No.			t-		Work Order Update		Large Fab	Composite		Supplier	
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Doc/Data											
Equip/Tooling											
Operator						ļ					

FAULT CATEGORY Landing Gear General Bending Bend Grain Ovalized Pressure/Forced Centre Not Concentric to O/S BOM/Route Over/Under tolerance Temperature/Cure Hardware Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Drill Holes Ripples in Bend Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Folio Wave/Twist in Tube Outside Dimensions

Material
Setup
Other
Process
Supplier
Training
Unapproved

<u>Location</u> WA

92839

Loc Code

Loc Cou

11

Mesh (350 Basket Long, Lid)

Loc Qty

											•	DQA:	Date:			
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						_			<u></u>			QA Closed:	Date:			
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							Rework	7		Skid-tube	Crosstube	7	Water Jet	Engineering		
Part	No.						Scrap		Machining Small Fal			Pro	d. Eng. Coor.	Quality		
						1	Use-as-is		Thern	noforming	Finishing	Rec/Stor	re/Packaging	Other		
NCR	No.						Work Order Update			Large Fab	Composite		Supplier			
Root					Desc	crip	tion of work order update		Initial	tial Action		Sign &				
Cause		Date	Step	Qty		C	r Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector		
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		Bending			·		Bend	_	Grain		_	Ovalized		Pressure/Forced		
		Centre No	ot Concer	ntric to (D/S		BOM/Route		Hardwa	re	L	Over/Under	tolerance	Temperature/Cure		
		Cracks					Broken/Damaged		4	on Incomplete		Part Incorre	ct	Weld		
	$ldsymbol{ld}}}}}}$	Crushed/0	Crimped.				Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/Mi	issing	Wrong Stock Pulled		
		Cuffs			1	_	Contamination		Mainte	nance		Part Moved				
		Heat Trea	it				Countersink		Mislabe	led		Positioned V	Vrong	-		
	Inspection Strip in Tube Cut Too Short								Misread	I		Power Loss/	Surge	Other		
		Ripples in					Drill Holes	Offset								
		Torque W	aves in E	xtrusion	ր [Drawing		Out of 0	Calibration		4				
	1	Turning S	equence				Finish	1	Out of	Out of Sequence						

Outside Dimensions

Wave/Twist in Tube

Folio

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November-27-12 10:49:30 AM

	140Vember-27-12 1	0.77.30 AM								
	Work Order ID: Parent Item: Parent Item Name:	93743 D3914-041 Long Basket Lic	I Assembly (350)						Date: 11/27/12 Qty: 1.00	Required Date: 12/14/12 Required Qty: 1.00
J	D4021-3 Data Plate		Manufactured	No		100	Each	23.0000	B 907	83 JY 13.01.07
					Location	Loc Oty		Loc Code		
					WA	23				
					80897	9				
					82507	1				
					90783	11				
					90784	2				
1	D4035-041 Lid Rib Assembly, Fwd	(350 Basket)	Manufactured	No		100	Each	9.0000	391	1 163 Sy 13.01.07
					Location	Loc Qty		Loc Code		•.
					WA	. 9				
					63720	0				
					91763	9				_
4	D4035-043 Lid Rib Assembly, Aft (350 Basket)	Manufactured	No		100	Each	13.0000	B919	8 W13.01.07
					Location	Loc Oty		Loc Code		
			÷		W _A	12				
					81452	1				
					82988	1				-
					91978	10				-
					WA006	1				

										DQA:	Dat	e:		
NCR:	Yes / No	•			WORK ORDER NON-	COI	NFORM	AANCE / UP	DATE	OA Classel	Dot			
										QA Closed:	Dat	te:		
Work Orde	ar.				DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part I	No				Rework Scrap Use-as-is Work Order Update	Therm	Skid-tube Crosstube Small Fab Thermoforming Finishing Composite			Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other			
						J		20.80.00	0 0posice					
Root Cause	Date	Step	Qty	•	ption of work order update or Non-conformance		Initial nief Eng		tion ription	Sign & Date	Verification	n QC Inspector		
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Landi	ng Gear				General									
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	Centre	Not Conce	entric to O	/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure		
	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld		
	Crushe	d/Crimped			Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	issing	Wrong Stock Pulled		
Cuffs					Contamination		Mainte	nance		Part Moved	•			
	Heat Tr	eat			Countersink		Mislabe	led		Positioned \	Wrong			
	Inspect	ion Strip in	1 Tube		Cut Too Short		Misread	ı		Power Loss/	/Surge	Other		
	Rinnles	in Bend		1	Drill Holes		Offset		_	_	•			

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

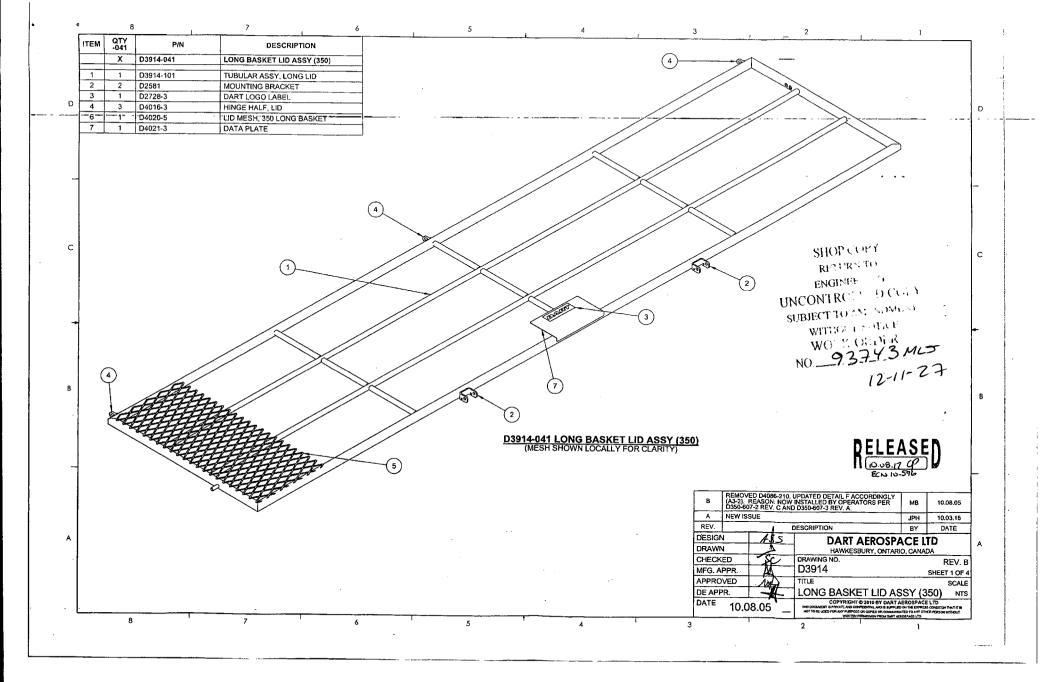
Torque Waves in Extrusion

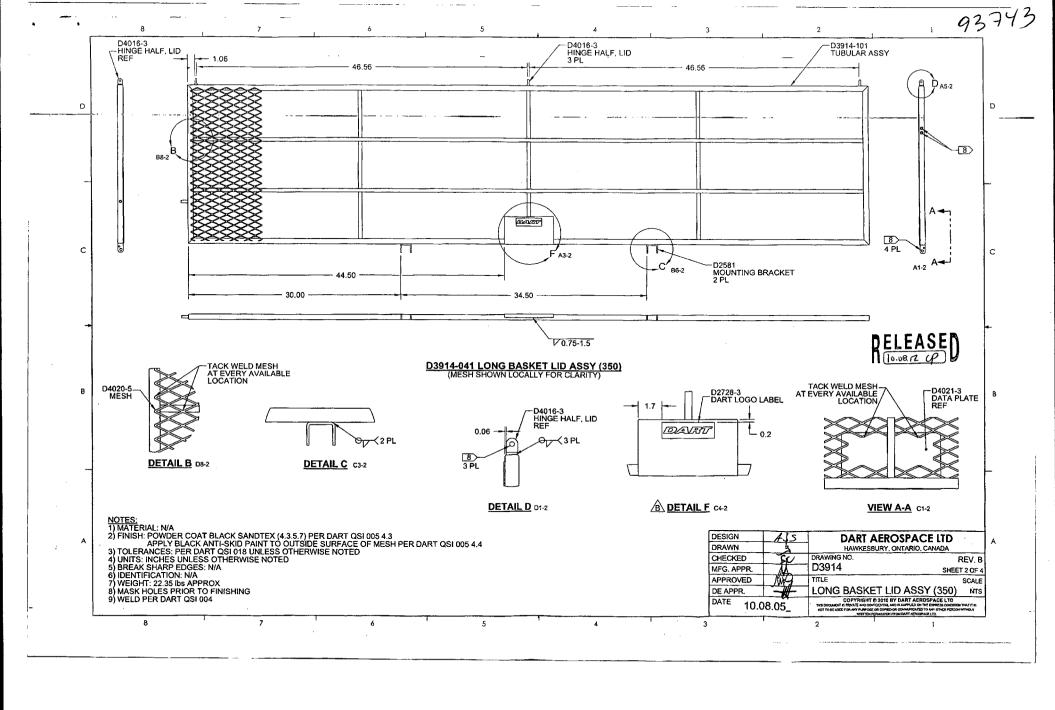
Drawing

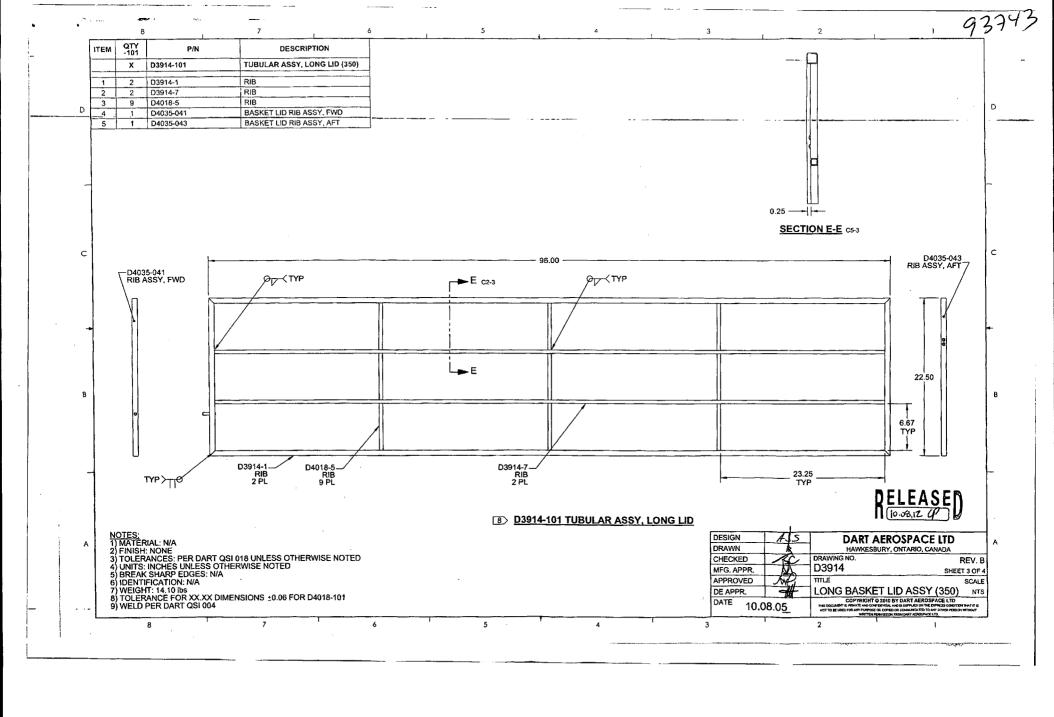
Finish

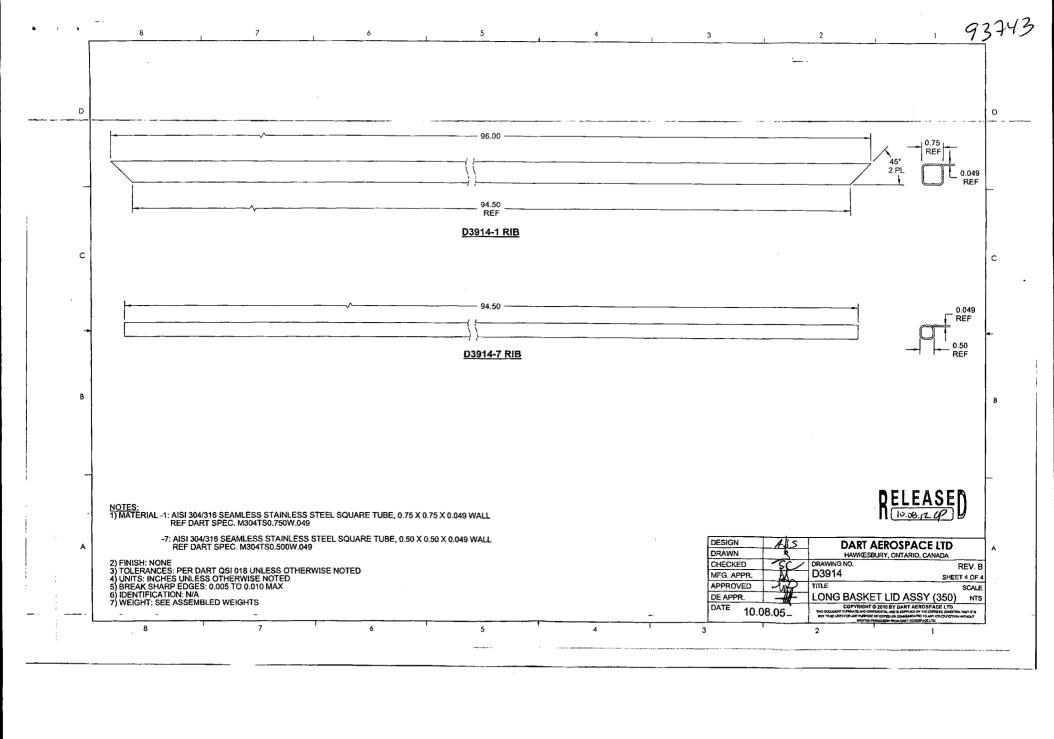
Folio

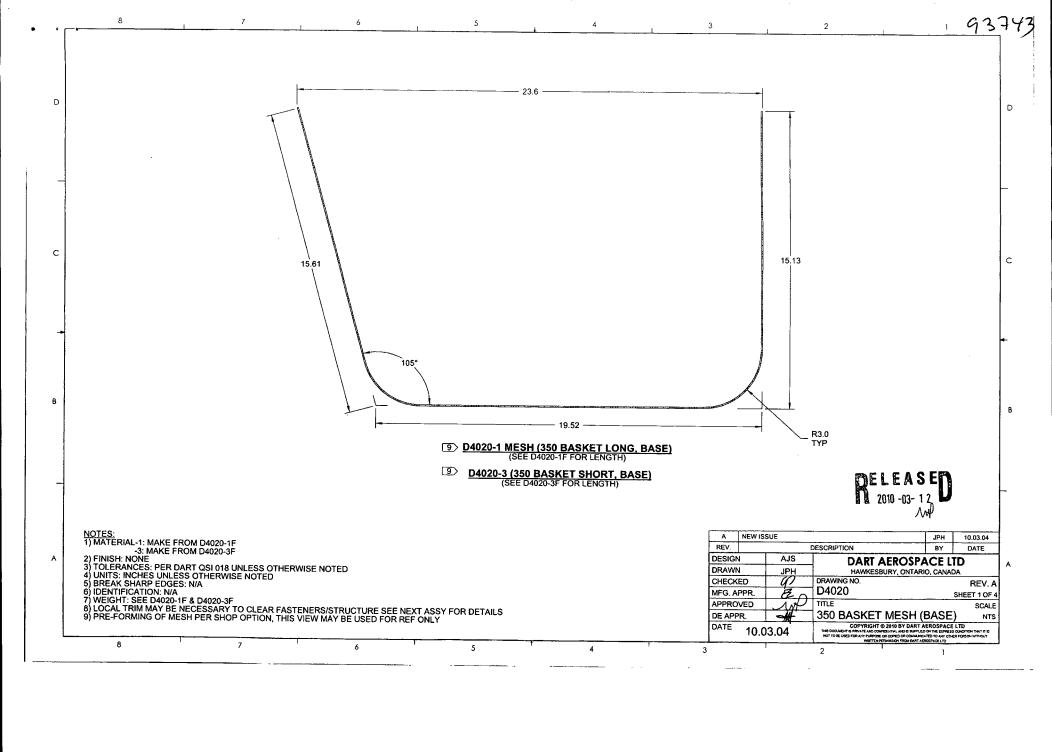
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D4020-5: 95.25 D4020-7: 56 00 D 21.75 2.00 1.25 D4020-7 D4020-5 25.00 44.66 9 <u>D4020-5 MESH (350 BASKET LONG, LID)</u> (LOCAL SECTION MESH SHOWN FOR CLARITY) (LÓCAL SECTION MESH SHOWN FOR CLARITY) NOTES: 1) MATERIAL: AISI 304/316 EXPANDED STAINLESS STEEL MESH 3/4-16F REF DART SPEC. M304EX0.75-16F REF DART SPEC. M304EX0.75-16F

2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: N/A
7) WEIGHT -5: 0.80 lbs APPROX
-7: 4.49 lbs APPROX
8) LOCAL TRIM MAY BE NECESSARY TO CLEAR FASTENERS/STRUCTURE SEE NEXT ASSY FOR DETAILS
9) TOLERANCE ON XX.XX DIMENSIONS ± 0.06. DESIGN AJS DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. A D4020 MFG. APPR. SHEET 2 OF 4 TITLE APPROVED SCALE 350 BASKET MESH (BASE) DE APPR NTS COPYRIGHT @ 2010 BY DART AEROSPACE LTD
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WHITTEN PROVISIONS FROM BANK ARROSPHOSE LTD. DATE 10.03.04

